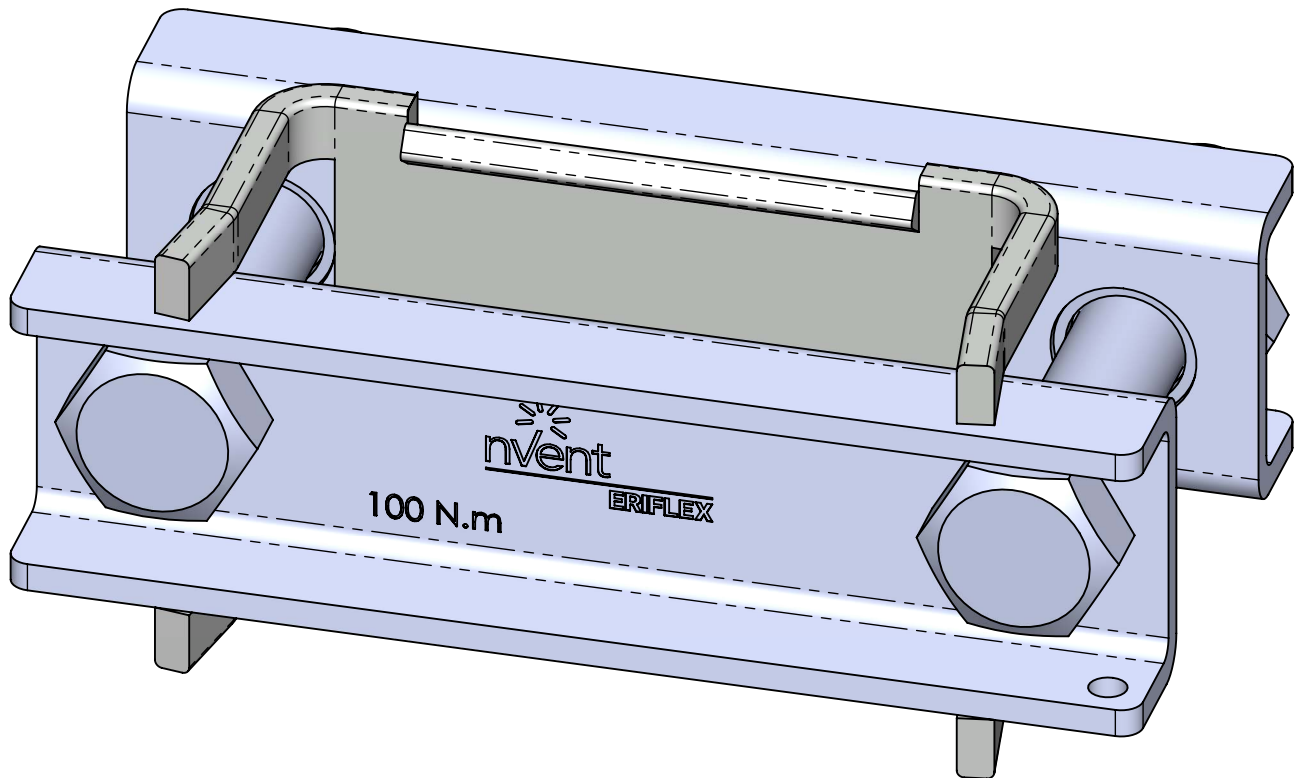


nVent ERIFLEX FLEXBUS HCBC CLAMP AND PLATE

Instruction Sheet



INSTRUCTION SHEET

nVent ERIFLEX FLEXBUS HCBC CLAMP AND PLATE FOR CONNECTION

1

EXAMPLE

4

1.1

FLEXCLAMP63(508190)

FLEXCLAMP80(508191)

FLEXCLAMP100(508192)

FLEXCLAMP120(508193)

FLEXCLAMP160(508194)

2

!

2-3

Cu, Al, Cu+Zn, Sn

2.1

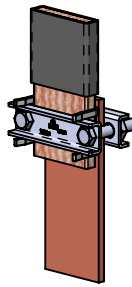
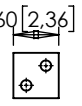
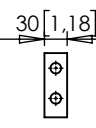
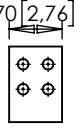
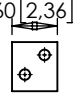
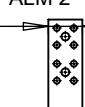
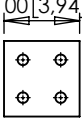
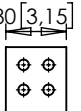
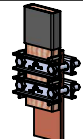
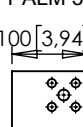
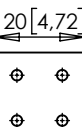
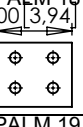
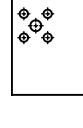
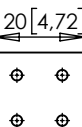
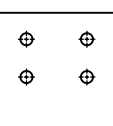
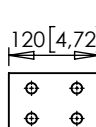
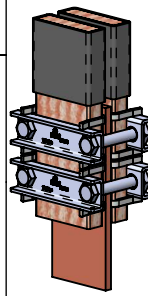
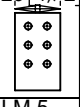
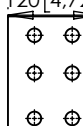
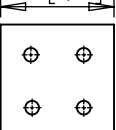
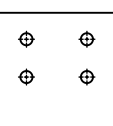
FLEXPLATE50(508180)

FLEXPLATE100 (508181)

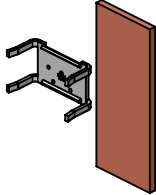
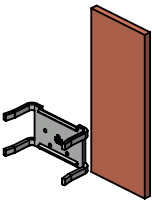
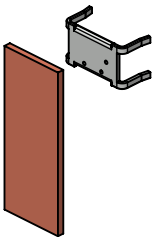
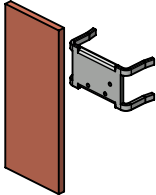
FLEXPLATE50PE (508182)

FLEXPLATE100PE (508183)

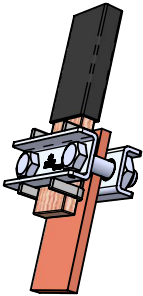
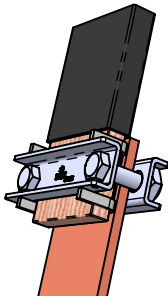
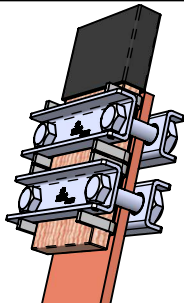
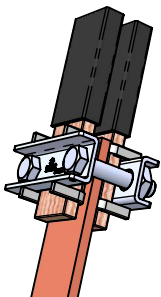
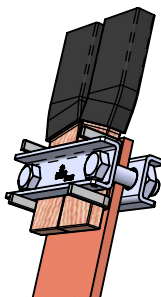
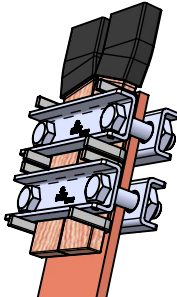
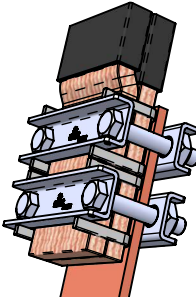
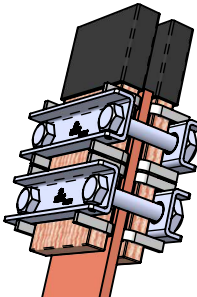
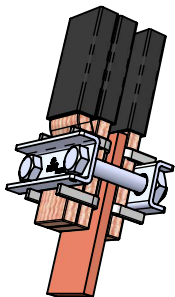
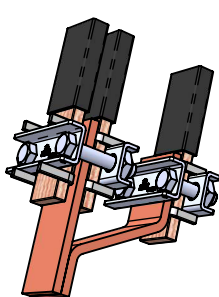
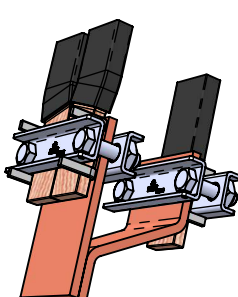
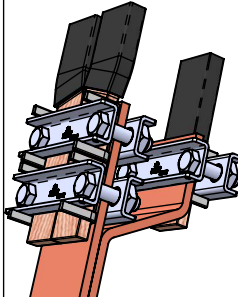
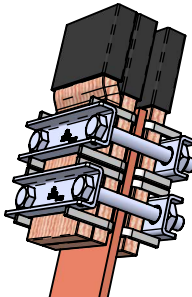
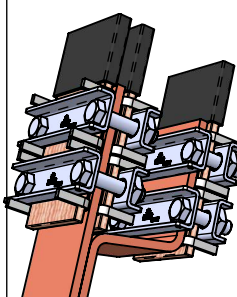
INSTRUCTION SHEET

Transformer type	In Transformer (A)	Typical usage for Oil Transformer				Typical usage for Dry/Cast resin Transformer				HCBC Clamp & Plate mounting
										
		Transformer palm dimensions (mm)	HCBC Clamp & Plate mounting per phase	Transformer palm dimensions (mm)	HCBC Clamp & Plate mounting per phase	Transformer palm dimensions (mm)	HCBC Clamp & Plate mounting per phase	Transformer palm dimensions (mm)	HCBC Clamp & Plate mounting per phase	
		EN 50387		DIN 42530		EN 50180		DIN 46206		
400 kVA	560	PALM 1		PALM 6		PALM 10 	1pc FLEXCLAMP 63 1pc FLEXPLATE 50(PE)	PALM 15 		
500 kVA	704		1pc FLEXCLAMP 63 1pc FLEXPLATE 50(PE)		1pc FLEXCLAMP 63 1pc FLEXPLATE 50(PE)	PALM 11	1pc FLEXCLAMP 80 1pc FLEXPLATE 50(PE)	PALM 16 	1pc FLEXCLAMP 63 1pc FLEXPLATE 50(PE)	
630 kVA	900			PALM 7	1pc FLEXCLAMP 100 1pc FLEXPLATE 50(PE)			PALM 17		
800 kVA	1120									
1000 kVA	1400	PALM 2 	1pc FLEXCLAMP 100 1pc FLEXPLATE 100(PE)		1pc FLEXCLAMP 100 1pc FLEXPLATE 100(PE)	PALM 12 	1pc FLEXCLAMP 100 1pc FLEXPLATE 100(PE)		1pc FLEXCLAMP 100 1pc FLEXPLATE 100(PE)	
1250 kVA	1750	PALM 3 	2pc FLEXCLAMP 100 2pc FLEXPLATE 100(PE)	PALM 8 	2pc FLEXCLAMP 120 2pc FLEXPLATE 100(PE)	PALM 13 	2pc FLEXCLAMP 100 2pc FLEXPLATE 100(PE)	PALM 18 	2pc FLEXCLAMP 120 2pc FLEXPLATE 100(PE)	
1600 kVA	2253		2pc FLEXCLAMP 100 2pc FLEXPLATE 100(PE)		2pc FLEXCLAMP 120 4pc FLEXPLATE 100(PE)	PALM 14 	2pc FLEXCLAMP 160 4pc FLEXPLATE 100(PE)	PALM 19 	2pc FLEXCLAMP 120 4pc FLEXPLATE 100(PE)	
2000 kVA	2816				PALM 4 					
2500 kVA	3520		2pc FLEXCLAMP 100 4pc FLEXPLATE 100(PE)		2pc FLEXCLAMP 160 4pc FLEXPLATE 100(PE)		2pc FLEXCLAMP 160 4pc FLEXPLATE 100(PE)	N/A	N/A	
3150 kVA	4435									

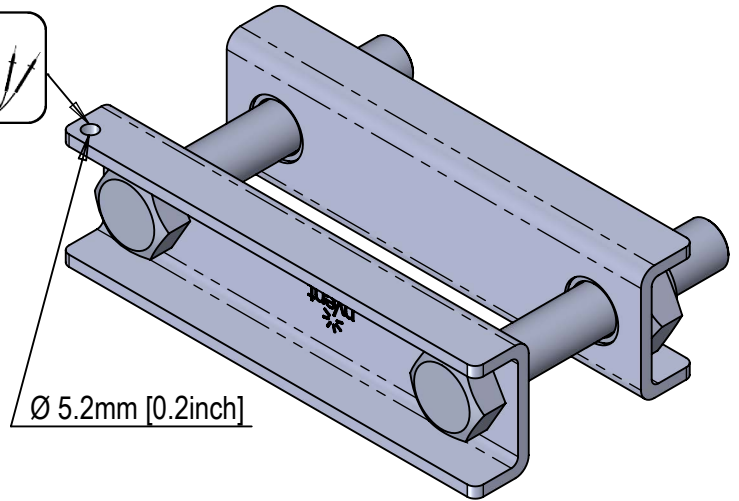
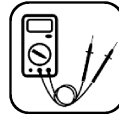
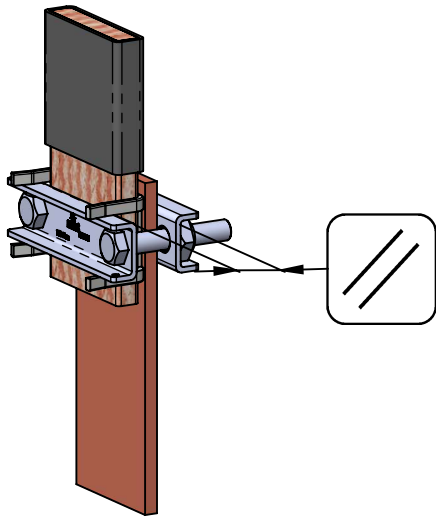
INSTRUCTION SHEET

MOUNTING PIN				
PALM 1	50B	-	50B	-
PALM 2	100B or 100C			
PALM 3	100B	100C	100C	100B
PALM 4	100A			
PALM 5	100A			
PALM 6	50A	-	50A	-
PALM 7	50A or 100A			
PALM 8	100A			
PALM 9	100A			
PALM 10	50B	-	50B	-
PALM 11	50A	-	50A	-
PALM 12	100B or 100C			
PALM 13	100A			
PALM 14	100A			
PALM 15	50B	-	50B	-
PALM 16	50B	-	50B	-
PALM 17	50A or 100B	-	50A or 100C	-
PALM 18	100A			
PALM 19	100A			

 1 - **2.1** for equivalence 50A / 50B / 100A / 100B / 100C

1 Flexbus Conductor per phase			Transformer palms or rigid bars cross section to be determined in function of the current to carry and ambient temperature.		
Flexbus conductor 220, 360, 545 and 640 mm ²	Flexbus conductor 800, 960 and 1280 mm ²	Flexbus conductor 1810 mm ²			
1 x HCBC Clamp 63	1 x HCBC Clamp ≥ 100	2 x HCBC Clamp ≥ 100			
1 x HCBC Plate 50	1 x HCBC Plate 100	2 x HCBC Plate 100			
					
2 Flexbus Conductors per phase					
Flexbus conductor 220, 360, 545 and 640 mm ²	Flexbus conductor 220 and 360 mm ²	Flexbus conductor 545 and 640 mm ²	Flexbus conductor 800, 960 mm ²	Flexbus conductor 800, 960, 1280 and 1810mm ²	
1 x HCBC Clamp 63	1 x HCBC Clamp ≥ 100	2 x HCBC Clamp ≥ 100	2 x HCBC Clamp ≥ 100	2 x HCBC Clamp ≥ 100	
2 x HCBC Plate 50	1 x HCBC Plate 100	2 x HCBC Plate 100	2 x HCBC Plate 100	4 x HCBC Plate 100	
					
3 Flexbus Conductors per phase					
Flexbus conductor 220 and 360 mm ²	Flexbus conductor 220, 360, 545 and 640 mm ²	Flexbus conductor 220 and 360 mm ²	Flexbus conductor 545 and 640 mm ²	Flexbus conductor 800, 960 mm ²	Flexbus conductor 800, 960, 1280 and 1810mm ²
1 x HCBC Clamp 63	2 x HCBC Clamp 63	1 x HCBC Clamp ≥ 100 1 x HCBC Clamp ≥ 63	2 x HCBC Clamp ≥ 100 1 x HCBC Clamp ≥ 63	2 x HCBC Clamp ≥ 100	4 x HCBC Clamp ≥ 100
2 x HCBC Plate 50	3 x HCBC Plate 50	1 x HCBC Plate 100 1 x HCBC Plate 50	2 x HCBC Plate 100 1 x HCBC Plate 50	4 x HCBC Plate 100	6 x HCBC Plate 100
					

INSTRUCTION SHEET

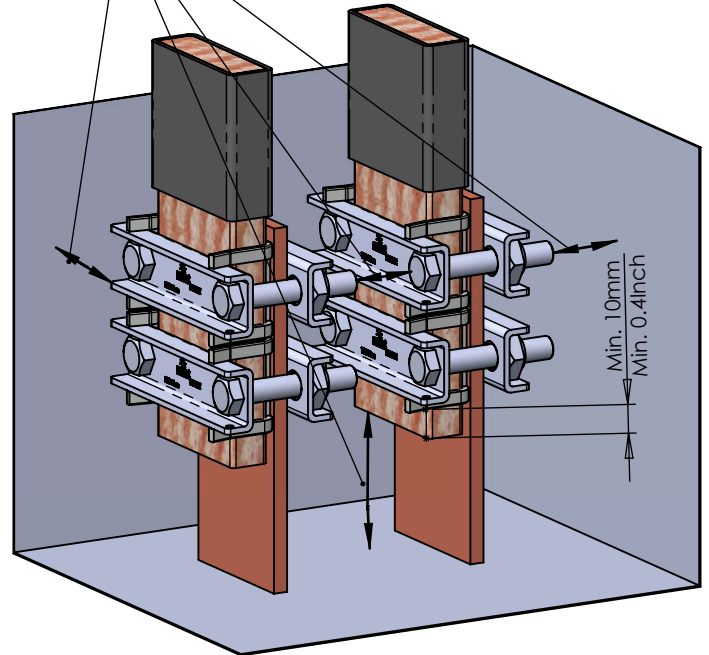
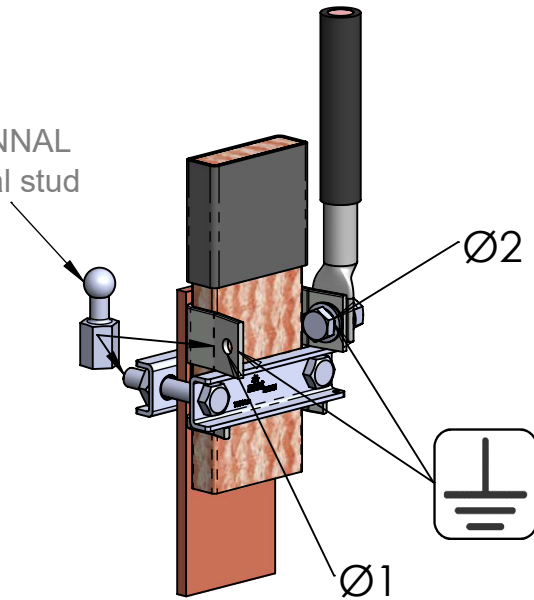


Ø 5.2mm [0.2inch]

	Ø1	Ø2
FLEXPLATE50PE	10.5 mm 0.39 inch	14.5 mm 0.55 inch
FLEXPLATE100PE	12.5 mm 0.47 inch	16.5 mm 0.63 inch

The minimum clearance distance is 14mm according IEC 61439-1 with air pollution degree 3.

OPTIONNAL
Terminal stud



WARNING:

1. nVent products shall be installed and used only as indicated in nVent product instruction sheets and training materials. Instruction sheets are available at www.nVent.com and from your nVent customer service representative.
2. nVent products must never be used for a purpose other than the purpose for which they were designed or in a manner that exceeds specified load ratings.
3. All instructions must be completely followed to ensure proper and safe installation and performance.
4. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

SAFETY INSTRUCTIONS: All governing codes and regulations and those required by the job site must be observed. Always use appropriate safety equipment such as eye protection, hard hat, and gloves as appropriate to the application.



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